



BOBBY JINDAL  
GOVERNOR


STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
P.O. Box 94245  
Baton Rouge, Louisiana 70804-9245  
www.dotd.la.gov  
225-379-1321



SHERRI H. LEBAS, P.E.  
SECRETARY

MEMORANDUM

TO: ALL CONSULTANTS  
ALL BRIDGE DESIGNERS

FROM: HOSSEIN GHARA, P.E.   
BRIDGE DESIGN ADMINISTRATOR

SUBJECT: BRIDGE DESIGN TECHNICAL MEMORANDUM NO. 22 (BDTM.22)  
MINIMUM DRIVEN PILE EMBEDMENT INTO BENT CAPS AND FOOTINGS

DATE: NOVEMBER 15, 2010

In accordance with the historical practice of LA DOTD, the following provisions shall replace the second paragraph in Section 10.7.1.2 of the latest AASHTO LRFD Bridge Design Specifications (Fifth Edition, 2010).

The tops of driven piles shall be embedded at least 9 in. into bent caps and at least 6 in. into footings after all damaged material has been removed. The embedment shall be measured from the bottom of the cap or footing, excluding the formwork. The pile connections shall be engineered to resist all design loads. Any exception must be approved by the Bridge Design Administrator.

This technical memorandum is posted on the Bridge Design Website under Technical Memoranda.  
[http://www.dotd.la.gov/highways/project\\_devel/design/home.asp?ID=BRIDGE](http://www.dotd.la.gov/highways/project_devel/design/home.asp?ID=BRIDGE)

Please contact Ms. Zhengzheng "Jenny" Fu (225-379-1321, [zhengzheng.fu@la.gov](mailto:zhengzheng.fu@la.gov)) if you have questions or comments.

HG/zzf/pv

Cc: Richard Savoie (Chief Engineer)  
Janice Williams (Chief, Project Development Division)  
Art Aguirre (FHWA)